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WATER SUPPLY OUTLOOK FOR UTAH

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MAY 31 1967

CURRENT SERIAL RECORDS

and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS

UNITED STATES DEPARTMENT of AGRICULTURE--SOIL CONSERVATION SERVICE,

and

STATE ENGINEER of UTAH

In cooperation with U.S. Forest Service, Bureau of Reclamation,
Utah Fish and Game Dept., Utah Agricultural Experiment Station,
U.S. National Park Service, U.S. Geological Survey; and other
Federal, State, and private organizations.

AS OF
APR. 1, 1967

TO RECIPIENTS OF WATER SUPPLY OUTLOOK REPORTS:

Most of the usable water in western states originates as mountain snowfall. This snowfall accumulates during the winter and spring, several months before the snow melts and appears as streamflow. Since the runoff from precipitation as snow is delayed, estimates of snowmelt runoff can be made well in advance of its occurrence. Streamflow forecasts published in this report are based principally on measurement of the water equivalent of the mountain snowpack.

Forecasts become more accurate as more of the data affecting runoff are measured. All forecasts assume that climatic factors during the remainder of the snow accumulation and melt season as they affect runoff will add to be an effective average. Early season forecasts are therefore subject to a greater change than those made on later dates.

The snow course measurement is obtained by sampling snow depth and water equivalent at surveyed and marked locations in mountain areas. A total of about ten samples are taken at each location. The average of these are reported as snow depth and water equivalent. These measurements are repeated in the same location near the same dates each year.

Snow surveys are made monthly or semi-monthly from January 1 through June 1 in most states. There are about 1400 snow courses in Western United States and in the Columbia Basin in British Columbia. In the near future, it is anticipated that automatic snow water equivalent sensing devices along with radio telemetry will provide a continuous record of snow water equivalent at key locations.

Detailed data on snow course and soil moisture measurements are presented in state and local reports. Other data or reservoir storage, summaries of precipitation, current streamflow, and soil moisture conditions at valley elevations are also included. The report for Western United States presents a broad picture of water supply outlook conditions, including selected streamflow forecasts, summary of snow accumulation to date, and storage in larger reservoirs.

Snow survey and soil moisture data for the period of record are published by the Soil Conservation Service by states about every five years. Data for the current year is summarized in a West-wide basic data summary and published about October 1 of each year.

Listed below are water supply outlook reports based on Federal-State-Private Cooperative snow surveys. Those published by the Soil Conservation Service may be obtained from Soil Conservation Service, Room 507, Federal Building, 701 N. W. Glisan, Portland, Oregon 97209.

PUBLISHED BY SOIL CONSERVATION SERVICE

D. A. WILLIAMS, Administrator

The Soil Conservation Service publishes reports following the principal snow survey dates from January 1 through June 1 in cooperation with state water administrators, agricultural experiment stations and others. Copies of the reports for Western United States and all state reports may be obtained from Soil Conservation Service, Western Regional Technical Service Center, Room 507, 701 N. W. Glisan, Portland, Oregon 97209.

Copies of state and local reports may also be obtained from state offices of the Soil Conservation Service in the following states:

STATE	ADDRESS
Alaska	P. O. Box "F", Palmer, Alaska 99645
Arizona	6029 Federal Building, Phoenix, Arizona 85205
Colorado (N. Mex.)	12417 Federal Building, Denver, Colorado 80202
Idaho	P. O. Box 38, Boise, Idaho 83701
Montana	P. O. Box 855, Bozeman, Montana 59715
Nevada	P. O. Box 4850, Reno Nevada 89505
Oregon	1218 S. W. Washington St., Portland, Oregon 97205
Utah	4001 Federal Building, Salt Lake City, Utah 84111
Washington	840 Bon Marche Bldg., Spokane, Washington 99206
Wyoming	P. O. Box 340, Casper, Wyoming 82602

PUBLISHED BY OTHER AGENCIES

Water Supply Outlook reports prepared by other agencies include a report for California by the Water Supply Forecast and Snow Surveys Unit, California Department of Water Resources, P. O. Box 388, Sacramento, California 95802 --- and for British Columbia by the Department of Lands, Forests and Water Resources, Water Resources Service, Parliament Building, Victoria, British Columbia



WATER SUPPLY OUTLOOK
and
FEDERAL - STATE - PRIVATE COOPERATIVE SNOW SURVEYS
for
UTAH

APRIL 1, 1967

Report prepared by
GREGORY L. PEARSON - PAUL KEIL
and
Patricia Paramore

SOIL CONSERVATION SERVICE
SNOW SURVEY SECTION
FEDERAL BLDG., ROOM 4012
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SOIL CONSERVATION SERVICE
SALT LAKE CITY, UTAH

Based on Snow Surveys Made on UTAH and BEAR RIVER WATERSHEDS

Approximate Date



WATER SUPPLY OUTLOOK

APRIL 5, 1967

* Poor to critically short water supplies this summer are now *
* expected for most water users in southern areas of Utah. *
* With a few exceptions, central and northern watersheds should *
* yield fair to good supplies. Storage in the 14 principal re- *
* servoirs of Utah(excluding those of the Colorado River Storage *
* project) was 108% of the 1948-62 average. Storage in the *
* three principal reservoirs of the Sevier river(Otter Creek, *
* Piute and Sevier Bridge) was 75% of average. *

Mountain precipitation was quite variable over the state during the past month, averaging near, but generally below normal in the north and, for the second consecutive month, much below normal in the south and southeast. March was also comparatively warm, averaging 3% to 4% above normal. Streamflow was above average in the north and east, but somewhat below average in the south.

The warm, dry, windy weather of March, which resulted in unusually heavy melting of low and intermediate elevation snowpacks, dropped water prospects in central and southern areas 15% to 35% compared to a month ago and 5% to 20% in the north. The current outlook is for about 25% to 65% of average streamflow from most watersheds of the Sevier, Virgin, Beaver, Escalante, Fremont, and Muddy rivers. The brightest outlook in any of this southern section is for Clear Creek near Sevier and for streams coming from Monroe mountain, where about 80% of average runoff is expected.

If subsequent spring weather is near normal, most of the major watersheds of central and northern Utah should yield from 85% to 110% of average streamflow. Included among these are the Logan, Bear, Weber, Provo, and American Fork rivers, the inflow to Utah Lake, the Cottonwood Creeks near Salt Lake City and Chalk Creek near Coalville; also, all streams of the Uintah Basin, the inflow to Strawberry and Scofield reservoirs, and tributaries of the San Pitch and San Rafael rivers north of the Ephraim-Castle Dale area. The outlook is less favorable (65% to 85% of average) for the lower elevation streams and tributaries in north and central Utah, this includes the Ogden River and other nearby streams which head near Monte Cristo peak, East Canyon Creek near Morgan, Parley's Creek near Salt Lake, streams near Farmington, Tooele, and Nephi, the Spanish Fork River and Hobbie Creek near Springville. In Cache Valley the Little Bear River is forecast at only 45% of the 1948-62 average.

WATER SUPPLY OUTLOOK (continued)

In Grand and San Juan counties of southeastern Utah the outlook is particularly poor. Streams here will yield about 20% to 35% of average flows. Near Monticello the Buckboard Flat snow course (elev. 9,000 ft.) set a new record low reading this month. The snowpack has only 2.2 inches of water, about one third of the previous low of 6.7 inches measured in 1951. Average snow water content is 14.4 inches. This course was first measured in 1930.

Near Moab the LaSal mountain snow course (elev. 8,800 ft.) has no snow. The only other time this has happened in the 37 years of its record was during the drought of 1934.

April-July inflow to Lake Powell and Flaming Gorge reservoirs is forecast at 6.2 and 1.06 million acre feet, respectively, assuming no change in upstream storage. This represents 81% and 94% of the 1948-62 average inflow.

UTAH STREAMFLOW FORECASTS^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE ^b
BEAR RIVER SYSTEM					
Bear at Harer, Idaho	270	105	Apr-Sept	208	258
Bear near Randolph	80	85	Apr-Sept	78	94
Bear nr UT-Wyo State Line	110	96	Apr-Sept	91	115
Bear nr Woodruff	105	90	Apr-Sept	72	117
Big Crk nr Randolph, Utah	6	70	Apr-Sept	6.4	8.6 ¹³
Blacksmith Fork nr Hyrum	45	71	Apr-Sept	47	63
Little Bear nr Paradise	17	45	Apr-June	21	38
Logan nr Logan (1)	129	97	Apr-Sept	101	133
Smith's Fork nr Border, Wyo.	124	111	Apr-Sept	77	112
Woodruff Crk nr Woodruff, Utah	12	68	Apr-Sept	13.0	17.6 ¹³

WEBER-OGDEN RIVERS

Chalk Crk at Coalville	34	94	Apr-Sept	28	36
East Canyon Crk nr Morgan (2)	17	66	Apr-Sept	15.7	25.6
Lost Crk nr Croydon, Utah	12.5	69	Apr-Sept	12.9	18.1
Pineview Reservoir (3)	75	68	Apr-June	78	110
	79	69	Apr-July	83	115
So Fork Ogden nr Huntsville	48	77	Apr-Sept	50	62
Rockport Reservoir Inflow (4)	105	90	Apr-July	94	117
Weber nr Coalville (5)	112	88	Apr-Sept	95	128
Weber nr Oakley	96	96	Apr-June	88	100
	120	98	Apr-Sept	105	123

PROVO RIVER & UTAH LAKE

American Fork nr American Fork	30	91	Apr-Sept	27	33
Hobble Crk nr Springville	13.5	64	Apr-Sept		21.2
Payson Creek nr Payson	5.1	70	Apr-Sept		7.3
Provo nr Hailstone (6)	107	98	Apr-Sept	74	109
Provo below Deer Crk Dam (7)	128	95	Apr-Sept		135
Spanish Fork at Thistle	32	80	Apr-Sept		40
Strawberry Reservoir Inflow (8)	47	94	Apr-Sept	33	50
Utah Lake Inflow	260	92	Apr-Sept	176	282

JORDAN RIVER & SALT LAKE

Big Cottonwood nr SLC	35	90	Apr-Sept	28	39
Little Cottonwood Crk nr SLC	35	92	Apr-Sept	29	38
Parley's Crk nr SLC	9.5	71	Apr-Sept	9.7	13.3

(13) Observed flow plus diversion through Duchesne Tunnel. (14) Observed flow plus change in storage in Moon Lake Reservoir. (15) Observed flow plus change in storage reservoir.

GENERAL FOOTNOTES

(a) Runoff forecasts are based principally on mountain snow cover and on the assumption that precipitation and temperature will be near average from the present time to the end of the forecast period. Appreciable deviations from normal of temperature and/or precipitation will correspondingly modify these forecasts. The discharge data is taken from preliminary records of the U.S. Geological Survey. (b) 1948-62, 15 year period. *Partly estimated.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE ^b
<u>SEVIER RIVER</u>					
Chalk Creek nr Fillmore	8	48	Apr-Sept	10.3	16.7
Clear Crk nr Sevier (abv. Div.)	10.3	80	Apr-June		12.9*
East Fork Sevier nr Kingston (9)	2.5	16	Apr-June		15.8
	7	35	Apr-Sept	4.8	19.8
Inflow					
Kingston to Vermillion Dam	23	59	Apr-June	22.8	39
Vermillion Dam to Gunnison	45	76	Mar-June	47	59
Salina Crk at Salina (10)	1.5	18	Apr-June	1.4	8.3*
Sevier nr Circleville	25	62	Apr-Sept	37	40*
Sevier nr Gunnison	25	45	Apr-Sept	21	55
Sevier at Hatch	20	62	Apr-June	35	32
	30	67	Apr-Sept	47	45
Sevier nr Kingston	8	38	Apr-June	15.0	21.0
	12.5	49	Apr-Sept	16.3	25.5
Sevier below Piute Dam (11)	21	47	Apr-Sept		45
<u>SAN PITCH RIVER</u>					
Ephraim Creek nr Ephraim	13.5	89	Apr-Sept		15.2
Pleasant Crk nr Mt. Pleasant	8.7	90	Apr-Sept		9.7*
Twin Crk nr Mt. Pleasant	4.2	90	Apr-Sept		4.7*
<u>BEAVER RIVER</u>					
Beaver nr Beaver	10	56	Apr-June	12.0	18.0
	13	53	Apr-Sept	15.1	24.3
Rockyford Reservoir Inflow (12)	1.2	15	Apr-June	1.4	7.8
<u>COAL CREEK</u>					
Coal Creek nr Cedar City	10.5	66	Apr-Sept	16.4	16.0
COLORADO RIVER BASIN					
GREEN RIVER TRIBUTARIES IN UTAH					
<u>FLAMING GORGE TO DUCHESNE RIVER</u>					
Ashley Creek nr Vernal	52	93	Apr-Sept	48	56
Henry's Fork at Linwood	32	94	Apr-Sept		34

(9) Observed flow plus change in storage in Otter Creek Reservoir. (10) Gage is below diversions near Salina. (11) Observed flow plus change in storage in Otter Crk & Piute Reservoirs. (12) Observed flow at Rockyford Dam, corrected for change in storage in Rockyford Reservoir.

UTAH STREAMFLOW FORECASTS ^a (1,000 Ac. Ft.)

FORECAST POINT	FORECAST THIS YEAR	THIS YEAR AS PERCENT OF AVERAGE	FORECAST PERIOD	LAST YEAR	AVERAGE ^b
<u>DUCHESNE RIVER</u>					
Duchesne at Provo River (Trail nr Hanna)	38	110	Apr-Sept		35*
Duchesne nr Tabiona (13)	115	101	Apr-Sept	89	114
Lakefork below Moon Lake	70	97	Apr-Sept	69	72
Rock Crk nr Mtn. Home	99	97	Apr-Sept	77	102
Strawberry at Duchesne	65	90	Apr-Sept	53	72
Uinta nr Neola	97	102	Apr-Sept	94	95
Whiterocks nr Whiterocks	65	103	Apr-Sept	60	63
Yellowstone nr Altonah	70	96	Apr-Sept	75	73
<u>PRICE RIVER</u>					
Gooseberry Crk nr Scofield	10.5	88	Apr-Sept	8.4	11.9
Price nr Heiner (15)	48	71	Apr-Sept	44	68
Scofield Reservoir Inflow (15)	32	86	Apr-Sept	21.3	37
<u>SAN RAFAEL RIVER</u>					
Cottonwood Crk nr Orangeville	48	87	Apr-Sept	33	55
Ferron Crk nr Ferron	27	64	Apr-Sept		42
Huntington Crk nr Huntington	49	88	Apr-Sept	42	56
<u>MUDDY RIVER</u>					
Muddy Creek nr Emery	11	48	Apr-Sept	12.0	22.8*
<u>VIRGIN RIVER</u>					
Virgin nr Virgin	27	63	Apr-June	39	43
<u>UPPER COLORADO BASIN</u>					
Colorado nr Crisco, Utah (15)	3150	83	Apr-Sept	2148	3789
Flaming Gorge Inflow (3)	1060	94	Apr-July		1129
Lake Powell Inflow (3)	6200	81	Apr-July		7692
Green at Green River, Utah (15)	2850	85	Apr-Sept		3368
San Juan nr Bluff, Utah (15)	670	57	Apr-Sept	1034	1172

(1) Includes U.P. & L. Co. tailrace and Logan, Hyde Park & Smithfield Canal. (2) Observed flow plus change in storage in East Canyon Reservoir. (3) Inflow record as computed by U.S. Bureau of Reclamation. (4) Observed flow Weber River near Wanship, Utah, plus change in storage in Wanship Reservoir, plus diversion by Weber-Provo Canal. (5) Includes diversion by Weber-Provo Canal and change in storage in Wanship Reservoir. (6) Observed flow minus diversions thru Duchesne tunnel and Weber-Provo Canal. (7) Observed flow plus change in storage in Deer Creek reservoir, minus diversions thru Duchesne tunnel & Weber-Provo Canal. (8) Change in storage plus diversion thru Strawberry tunnel.

RESERVOIR STORAGE (1,000 Ac. Ft.)

BASIN or STREAM	RESERVOIR	USABLE CAPACITY	MEASURED (FIRST OF MONTH)		
			THIS YEAR	LAST YEAR	AVERAGE ^a
GREAT BASIN					
Bear River	Bear Lake	1421.0	1099.4	1131.4	920.0
	Woodruff Narrows	26.5	26.5	26.5	-----
Beaver River	Rocky Ford	23.3	10.4	15.5	14.0
Little Bear	Hyrum	15.3	14.4	13.4	12.3
	Porcupine	11.3	3.9	4.0	-----
Ogden	Causey	7.1	0.0	4.5	-----
	Pineview	110.1	40.0	68.0	12.7
Provo	Deer Creek	149.7	91.0	116.5	94.6
Sevier River	Gunnison	18.2	14.4	-----	-----
	Otter Creek	52.5	22.8	36.4	32.4
	Piute	71.8	47.6	58.7	45.4
	Sevier Bridge	236.0	81.7	130.1	124.4
Spanish Fork	Strawberry	265.4	97.4	120.7	138.5
Utah Lake	Utah Lake	**883.9	699.8	782.8	627.3
Weber	East Canyon	48.1	18.0	5.3	14.7
	Echo	73.9	53.9	59.7	35.3
	Lost Creek	18.2	0.0	-----	-----
	Rockport	60.9	21.7	48.0	-----
	Willard Bay	198.2	131.4	118.8	-----
COLORADO RIVER DRAINAGE					
Ashley Creek	Steinaker	33.3	25.2	22.5	-----
Colorado	Blue Mesa	940.8d	390.1	-----	-----
	Lake Powell	27000.0d	7368.0	8907.0	-----
Green	Flaming Gorge	3789.0d	2092.0	2414.3	-----
Lake Fork	Moon Lake	35.8	18.0	30.3	16.2
Price River	Scofield	65.8	40.0	55.1	21.2
San Rafael	Joes Valley	54.6	3.6	-----	-----
San Juan	Navajo	1709.0d	356.6	260.7	-----

*- Average for 1957-62 inclusive
 **- Taken at compromise point

All data contained in this table supplied by the U.S. Geological Survey.

(a) 1948-62 average. (b) Active capacity taken at 3.1 feet above compromise point. (c) Partly estimated.

(*) Total capacity reported.

COMPARISON of SNOW COVER

RIVER, BASIN or TRIBUTARY WATERSHED	NO. of COURSES AVERAGED	THIS YEARS SNOW WATER EXPRESSED AS PERCENT OF :	
		LAST YEAR	AVERAGE *
Bear River South of Evanston, Wyo.	4	121	91
Smith's Fork - Bear River (Wyo)	5	147	106
Emigration Creek (Idaho)	2	126	96
Strawberry-Mink Creeks (Ida)	3	162	99
Cub River (Ida)	2	134	94
Logan River	6	133	97
Blacksmith Fork-Little Bear	5	103	79
Malad River (Idaho)	2	181	86
Ogden River	5	93	72
Weber River above Echo Dam	8	131	86
Chalk Creek - Coalville	3	118	94
East Canyon Creek	3	122	84
Farmington Creek	2	98	69
Salt Lake Area	4	144	86
Tooele Area	3	98	65
American Fork River	3	140	92
Provo River Above Vivian Park	6	152	94
Strawberry Reservoir Valley	3	123	91
Hobble Creek	2	118	58
Spanish Fork River	5	128	71
Mt. Nebo Area	2	94	68
Sevier River Above Panguitch	4	77	58
East Fork Sevier River	5	53	37
Clear Creek Above Sevier	1	102	76
Salina Creek	2	132	74
Mt. Pleasant Area	3	122	84
Ephriam Area	2	133	79
Manti Area	2	102	70
Mayfield Area	2	116	58
Chicken Creek-Levan	1	113	75
Chalk Creek - Fillmore	3	70	29
Beaver River	3	76	53
Paraowan Creek	3	61	48
Coal Creek - Cedar City	3	94	56
New Harmony - Newcastle	1	100	19

COLORADO RIVER BASIN IN UTAH

Duchesne River Above Tabiona	3	159	98
Strawberry River	4	132	96
Lakefork River	2	122	90
Whiterocks - Uintah Rivers	3	122	101
Ashley - Brush Creeks	4	110	99
Price River	7	144	88
San Rafael Tributaries	9	116	75
Muddy River	2	92	62
Fremont River	4	124	50
Escalante River	3	31	25
Virgin River	4	72	59
LaSal Mtns. nr Monticello	2	22	21

* Actual or Estimated 1948-62, 15 year Average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

GREAT BASIN DRAINAGE

UPPER BEAR RIVER
(Above Harer, Idaho)

Big Park	10G11	8700	3/29	60	20.9	16.3	21.1*
Burts-Miller Ranch	10J6	7900	3/24	19	6.0	5.5	6.6
CCC Camp x	10G7	7500	3/30	39	12.6	7.6	12.0
Hayden Fork	10J7	9300	3/24	50	16.3	12.8	18.0*
Kelly Ranger Station	10G12	8200	3/29	50	17.9	14.3	18.6*
Monte Cristo R.S.	11H12	8960	3/29	63	23.2	23.2	27.4
Piney LaBarge #2 x	10G10	8820	3/30	65	25.7	15.4	21.0
Poison Meadows x	10G6	8500	3/30	96	34.0	21.4	29.7
Salt River Summit x	10G8	7900	3/30	54	17.6	11.5	16.0
Stillwater Camp	10J17	8550	3/24	40	11.8	9.6	12.5*
Trial Lake x	10J8	9800	3/31	83	28.3	19.6	28.0

LOWER BEAR RIVER
(Below Harer, Idaho)

Beaver Crk-Skunk Crk.	11H14	7150	3/29	26	8.3	8.5	13.2*
Christensen Ranch	11G11	5600	3/28	23	9.0	5.4	8.6*
Cub River R.S.	11G12	5400	3/28	14	6.0	5.2	7.6*
Dry Bread Pond x	11H13	8230	3/29	45	16.1	14.7	19.6
Dry Creek Flat	12G4	6350	3/27	9	3.2	Trace	4.1*
Emigration Canyon	11G7	6500	3/29	27	9.5	8.7	10.5*
Emigrant Summit	11G6	7700	3/29	70	25.4	17.9	24.9
Franklin Basin	11G8	8200	3/31	77	28.3	22.2	29.1
Garden City Summit	11H7	7600	3/31	55	19.2	14.8	20.2
Klondike Narrows	11H1	7400	3/31	57	21.3	14.6	21.5*
Little Bear(lower)	11H26	6100	3/27	20	6.8	9.0	9.1*
Little Bear(upper)	11H25	6850	3/27	26	8.8	11.4	12.5*
Monte Cristo R.S.	11H12	8960	3/29	63	23.2	23.2	27.4
Oxford Mountain	12G3	6800	3/27	23	7.6	4.2	8.2*
Slug Creek Divide	11G5	7225	3/31	54	18.2	13.2	16.2
Steep Hollow #1	11H27	8500	3/31	102	39.6	30.0	37.0*
Steep Hollow #2	11H28	7700	3/31	72	28.2	20.5	28.0*
Strawberry Creek	11G9	5800	3/29	34	10.7	7.1	12.1*
Straberry Mink Divide	11G10	6800	3/27	60	24.4	12.6	22.6
Tony Grove R.S.	11H3	6250	3/31	23	9.1	7.5	11.0
Willow Flat	11G4	6100	3/28	34	13.7	9.7	15.2*

OGDEN RIVER

Beaver Crk-Skunk Crk.	11H14	7150	3/29	26	8.3	8.5	13.2*
Ben Lomond(lower)	11H9	5850	3/28	21	7.8	12.3	16.0*
Ben Lomond Peak	11H8	8000	3/28	70	28.6	30.4	36.0*
Ben Lomond Trail	11H30	6000	3/28	24	9.0	13.3	- -
Cutler Creek	11H29	6780	3/28	54	22.2	21.2	- -

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

OGDEN RIVER - Continued

Dry Bread Pond	11H13	8230	3/29	45	16.1	14.7	19.6
Horse Ridge	11H21	8260	3/30	59	19.6	18.1	24.5*
Monte Cristo R.S.	11H12	8960	3/29	63	23.2	23.2	27.4
Sagebrush Flat	11H15	6300	3/29	0	0.0	0.0	2.3*

WEBER RIVER

Beaver Creek R.S.	11J24	7500	3/31	18	6.2	3.7	9.2
Chalk Creek #1	11J1	9100	3/28	71	24.4	20.5	25.1*
Chalk Creek #2	11J2	8000	3/28	47	16.0	12.9	16.0*
Chalk Creek #3	11J3	7500	3/28	18	6.6	6.0	7.9*
Farmington Canyon(lower)	11J12	6950	3/28	42	14.9	16.2	25.4*
Farmington Canyon(upper)	11J11	8000	3/28	65	22.8	21.9	29.4*
Horse Ridge	11H21	8260	3/30	59	19.6	18.1	24.5*
Kilfore Creek	11H31	7300	3/30	43	13.4	12.9	- -
Lamb's Canyon x	11J14	6600	3/29	35	12.4	9.8	15.8
Lost Creek Reservoir	11H32	6125	3/30	Trace	Trace	3.2	- -
Parley's Canyon Smt.	11J15	7500	3/28	42	15.2	13.2	19.6
Redden Mine(lower)	11J6	8500	3/29	51	17.8	14.7	20.4
Redden Mine(upper)	11J5	9000	3/29	56	20.8	17.0	21.7
Silver Lake x	11J16	8725	3/30	73	26.0	21.0	27.4
Smith & Morehouse	11J4	7600	3/29	35	12.0	9.5	13.8
Trial Lake x	10J8	9800	3/31	83	28.3	19.6	28.0

PROVO RIVER & UTAH LAKE

Camp Altamont	11J20	7300	3/30	40	15.2	10.6	17.6
Clear Creek Ridge #1	11K21	9200	3/28	48	18.3	13.8	19.2*
Clear Creek Ridge #2	11K22	8000	3/28	38	12.9	9.9	14.1*
Clear Creek Ridge #3	11K23	6600	3/28	7	2.1	1.1	6.2*
Daniels-Strawberry Smt.	11J23	8000	3/30	51	16.8	12.0	16.3
Dutchman R.S.	11J17	7500	3/31	41	14.9	11.2	20.0
East Portal	11J7	7560	3/30	41	11.0	9.6	12.8
Hobble Creek Summit	11J22	7300	4/1	35	10.2	8.4	14.7
Packard Canyon	11J31	6400	4/1	20	5.0	4.4	10.5*
Payson R.S.	11K1	8050	3/29	39	15.4	16.1	19.1
Rock Bridge	11K2	6750	3/29	18	7.2	7.8	13.2*
Soapstone R.S.	11J25	7800	3/31	40	12.3	6.4	13.6
South Fork R.S.	11J19	6100	3/30	0	0.0	0.0	5.2
Strawberry Divide	11J8	8000	3/30	59	18.2	15.9	21.5
Timpanogos Cave Camp	11J18	5500	3/30	0	0.0	0.0	2.2
Timpanogos Divide	11J21	8140	3/30	81	30.8	21.4	26.6
Trial Lake	10J8	9800	3/31	83	28.3	19.6	28.0

JORDAN RIVER & TOOELE VALLEY

Bevan's Cabin	12J2	6450	3/27	16	5.7	8.3	11.3*
Lamb's Canyon	11J14	6600	3/29	35	12.4	9.8	15.8
Middle Canyon - Tooele	12J3	7000	3/30	29	7.8	8.6	14.8*

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

JORDAN RIVER & TOOELE VALLEY - Continued

Mill D South Fork	11J10	7400	3/30	58	20.0	9.5	21.4
Parley's Canyon Smt. x	11J15	7500	3/28	42	15.2	13.2	19.6
Rocky Basin-Settlement Cyn	12J1	8900	3/27	63	25.2	18.7	27.0*
Silver Lake	11J16	8725	3/30	73	26.0	21.0	27.4
Vernon Creek	12K1	7500	4/5	19	7.0	- -	- -

UPPER SEVIER RIVER (South of Richfield, Utah)

Big Flat x	12L7	10290	3/27	47	15.2	14.2	19.7
Box Creek	12L4	9800	3/30	41	11.8	10.0	13.2*
Bryce Canyon	12M8	8000	3/30	5	0.6	0.0	3.8
Castle Valley	12M13	9700	3/24	26	9.2	10.3	14.5*
Cedar Breaks	12M1	10390	3/29	See Note		21.2	22.7
Duck Creek R.S.	12M4	8560	3/30	30	8.9	12.8	15.2
Fish Lake	11L3	8700	3/29	6	1.8	0.0	8.3
Harris Flat R.S.	12M5	7700	3/30	10	2.1	3.4	7.9
Kimberly Mine	12L6	8900	3/31	40	12.8	12.6	16.3
Long Valley Jct. x	12M6	7500	3/30	7	1.2	0.0	2.7
Midway Valley	12M2	9800	3/29	67	19.5	23.0	23.7*
Panguitch Lake	12M7	8200	3/24	0	0.0	1.0	4.2
Squaw Springs	12L5	9300	3/30	14	3.3	5.2	7.4*
Widtsoe-Escalante Smt.	11M1	9500	3/27	0	0.0	4.6	7.4
Widtsoe-Escalante #2	11M2	9500	3/27	15	4.1	8.6	10.8*
Widtsoe-Escalante #3	11M3	9500	3/27	20	5.0	10.8	13.5*

LOWER SEVIER RIVER (Including San Pitch River)

Bear Canyon	12L3	7200	3/30	19	2.6	6.1	10.3*
Beaver Dams	11K13	8000	3/28	16	5.8	5.0	13.2*
Farnsworth Lake	11L1	9900	3/30	53	15.5	11.7	18.6*
G.B.R.C. Headquarters	11K11	8700	3/31	42	13.5	9.4	18.1
G.B.R.C. Meadows	11K10	10000	3/31	66	22.2	18.2	26.9
Gooseberry R.S.	11L2	8400	3/30	24	7.6	5.8	11.7
Gooseberry Reservoir x	11K4	8700	3/29	45	17.4	13.7	20.8
Huntington-Horseshoe	11K5	9800	3/29	53	21.2	17.6	25.3
Mammoth R.S.-Ctnwood Crk.	11K3	8800	3/29	44	18.0	15.2	21.6
Middle Fork	11K34	9600	3/24	53	17.9	17.4	25.1*
Mt. Baldy R.S.	11K12	9500	3/28	49	17.7	15.4	24.5*
Oak Creek	12K2	7760	3/31	31	8.8	- -	- -
Pickle Keg Springs	11K39	9600	3/27	29	10.2	9.4	- -
Pine Creek	12L1	8700	3/29	19	6.5	10.6	16.5
Rees' Flat	11K36	7300	3/23	28	9.7	8.6	12.9*
Salina Creek(lower)	11L8	7250	3/27	0	0.0	0.0	- -
Shingle Mill	12L11	6200	3/30	16	2.8	6.8	10.2*
Thistle Flat	11K35	8500	3/24	35	12.0	12.0	17.3*
White Gate	11L7	9350	3/27	8	2.9	5.8	- -

Note: Course affected by Snow Plows.

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
NAME	NO.	ELEVATION	DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
						LAST YEAR	AVERAGE ^a

BEAVER RIVER

Big Flat	12L7	10000	3/27	47	15.2	14.2	19.7
Merchant's Valley	12L9	8200	3/27	9	2.8	6.6	10.8
Otter Lake	12L8	9300	3/27	31	9.2	11.7	16.2

PAROWAN CREEK

Birch Crossing	12M16	8100	3/30	13	1.0	0.8	- -
Brian Head	12M14	10400	3/29	51	13.2	18.5	- -
Ed Ward Flat	12M12	8300	3/30	14	1.5	4.2	7.7
Tall Poles	12M15	8800	3/30	40	9.8	10.2	- -
Yankee Reservoir	12M11	8700	3/30	25	4.4	7.1	10.3

COAL CREEK

CSU Ranch	12M17	8200	3/29	8	0.9	1.0	- -
Cedar Breaks	12M1	10390	3/29	See Note		21.2	22.7
Midway Valley x	12M2	9800	3/29	67	19.5	23.0	23.7*
Urie Flat	12M10	8450	3/29	9	1.0	0.8	6.2*
Webster Flat	12M3	9200	3/29	40	11.6	16.1	16.8

ENTERPRISE TO NEW HARMONY DRAINAGES

Little Grassy Creek	13M4	6100	3/31	2	0.3	0.0	0.6*
Long Flat	13M2	8000	3/31	6	1.0	1.0	5.4*

COLORADO RIVER DRAINAGE

UPPER GREEN RIVER IN UTAH

(Tributaries above Flaming Gorge)

Black's Fork Jct.	10J22	8925	3/22	37	9.0	7.0	10.6*
Buck Pasture A	10J23	9700	Delayed Report			10.8	- -
E.Fk. Black's Fk. G.S.	10J21	9300	3/22	37	9.2	6.3	10.7*
Henry's Fork A	10J24	10200	Delayed Report			8.9	- -
Hewinta Guard Station	10J4	9500	3/23	32	9.0	7.3	10.6
Hickerson Park	9J8	9100	3/23	17	4.3	3.5	- -
Hole-in-the-Rock	10J1	9150	3/24	19	4.6	4.0	6.9
Hole-in-the-Rock G.S.	10J3	8300	3/24	Trace	Trace	0.3	2.1*
Middle Beaver Creek	10J2	8550	3/24	16	4.1	3.3	6.0*
Spirit Lake	9J7	10300	3/23	38	10.6	9.8	15.2*
Steel Creek Park	10J20	9900	3/23	59	16.6	12.4	16.8*

GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER

Ashley Twin Lakes A	9J11	10500	Delayed Report			15.4	- -
King's Cabin(lower)	9J2	8600	3/22	33	9.4	9.6	10.1
King's Cabin(upper)	9J1	8730	3/22	41	11.4	10.1	11.6
Reynolds Park A	9J10	10400	Delayed Report			16.4	- -
Windy Park A	9J12	9400	Delayed Report			9.4	- -

Note: Course affected by Snow Plows.

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SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

DUCHESNE RIVER

Atwood Basin A	10J27	10250	Delayed Report			9.9	- -
Brown Duck Lake	10J9	10300	4/3	65	17.8	11.9	18.6
Chepeta-Whiterocks Lks.A	9J9	10300	Delayed Report			12.7	- -
Currant Creek	11J32	7800	3/30	28	9.2	5.2	9.5*
Daniels-Strawberry Smt.x	11J23	8000	3/30	51	16.8	12.0	16.3
East Portal x	11J7	7560	3/30	41	11.0	9.6	12.8
Five Point Lake A	10J26	11000	Delayed Report			15.5	- -
Indian Canyon	10K1	9100	3/25	40	12.8	13.1	13.1
Jackson Park	10J19	11300	3/21	46	12.2	12.8	14.3*
Julius Park	9J6	9800	3/27	54	15.8	11.6	15.9*
Lakefork Basin A	10J25	11100	Delayed Report			13.7	- -
Lakefork Mountain	10J10	10500	3/28	41	11.6	10.3	12.8
Lakefork Mountain #2	10J11	8900	3/28	24	7.4	5.7	8.4*
Lakefork Mountain #3	10J12	8100	3/28	18	6.1	5.3	6.3*
Mosby Mountain	9J5	9500	3/27	46	12.3	9.8	11.7
Paradise Park	9J3	10100	3/27	49	13.6	13.0	13.6
Rock Creek	10J18	7900	3/29	22	7.2	4.2	6.6*
Soapstone R.S. x	11J25	7800	3/31	40	12.3	6.4	13.6
Trial Lake x	10J8	9800	3/31	83	28.3	19.6	28.0
White River #1 x	10K2	8600	3/31	40	13.8	7.8	14.3*

PRICE RIVER

Corral	10K5	8200	4/3	24	9.4	5.5	7.9*
Dry Valley Divide	11K8	7800	3/30	27	9.3	5.2	11.7
Gooseberry Reservoir	11K4	8700	3/29	45	17.4	13.7	20.8
Grassy Trail Crk-Left Fk.	10K3	7970	4/3	28	10.1	6.8	9.7*
Huntington-Horseshoe	11K5	9800	3/29	53	21.2	17.6	25.3
Indian Canyon x	10K1	9100	3/25	40	12.8	13.1	13.1
Jones Ranch	11K7	7600	3/30	Trace	Trace	0.0	6.9
Mammoth R.S.-Ctnwd.Crk.x	11K3	8800	3/29	44	18.0	15.2	21.6
Mud Creek #2	11K33	8300	3/30	35	12.1	6.5	13.5*
Timberline	10K6	9100	4/3	54	18.2	15.0	14.5*
White River #1	10K2	8600	3/31	40	13.8	7.8	14.3*
White River #2	11K24	7600	3/31	22	7.7	3.5	8.7*
White River #3	11K25	7400	3/31	14	5.4	0.0	8.4*

SAN RAFAEL RIVER

Buck Flat	11K31	9400	3/28	35	12.2	10.5	17.0*
Gooseberry Reservoir	11K4	8700	3/29	45	17.4	13.7	20.8
Huntington-Horseshoe	11K5	9800	3/29	53	21.2	17.6	25.3
Mammoth R.S.-Ctnwd. Crk.x	11K3	8800	3/29	44	18.0	15.2	21.6
Red Pine Ridge	11K28	9400	3/29	42	15.2	13.2	18.0*
Rush Pond	11K38	9800	3/28	30	9.6	8.0	14.7*
Seely Creek R.S.	11K9	10000	3/31	38	11.7	11.4	16.7

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

SNOW

DRAINAGE BASIN and SNOW COURSE			CURRENT INFORMATION			PAST RECORD	
			DATE OF SURVEY	SNOW DEPTH (Inches)	WATER CONTENT (Inches)	WATER CONTENT (Inches)	
NAME	NO.	ELEVATION				LAST YEAR	AVERAGE ^a

SAN RAFAEL RIVER - Continued

Stuart R.S.	11K27	7950	3/30	17	5.8	3.8	8.1*
Switchback	11K26	8600	3/30	46	14.4	10.5	17.3*
Upper Joe's Valley	11K29	8800	3/29	21	7.0	5.8	10.1*
Wrigley Creek	11K32	9000	3/28	25	7.6	9.1	11.1*

MUDDY RIVER

Black's Fork	11K14	9200	3/27	29	9.8	11.1	15.9
Dill's Camp	11K15	9200	3/27	26	8.4	8.8	13.8
Mt. Baldy R.S. x	11K12	9500	3/28	49	17.7	15.4	24.5*

FREMONT RIVER

Black's Flat-UM Creek	11L4	9250	3/29	24	6.5	5.6	10.1*
Donkey Reservoir	11L5	9800	3/28	8	2.1	4.2	8.9*
Farnsworth Lake x	11L1	9900	3/30	53	15.5	11.7	18.6*
Fish Lake	11L3	8700	3/29	6	1.8	0.0	8.3
Johnson Valley	11L6	8850	3/29	11	2.8	0.0	9.4*

ESCALANTE RIVER

Widtsoe-Escalante Smt.	11M1	9500	3/27	0	0.0	4.6	7.4
Widtsoe-Escalante #2	11M2	9500	3/27	15	4.1	8.6	10.8*
Widtsoe-Escalante #3	11M3	9500	3/27	20	5.0	10.8	13.5*

VIRGIN RIVER

Cedar Breaks x	12M1	10390	3/29	See Note		21.2	22.7
Duck Creek R.S.	12M4	8560	3/30	30	8.9	12.8	15.2
Harris Flat R.S.	12M5	7700	3/30	10	2.1	3.4	7.9
Long Valley Jct.	12M6	7500	3/30	7	1.2	0.0	2.7
Midway Valley x	12M2	9800	3/29	67	19.5	23.0	23.7*
Webster Flat	12M3	9200	3/29	40	11.6	16.1	16.8

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9M1	9000	3/29	8	2.2	13.6	14.4
Camp Jackson	9M2	8600	3/29	10	3.5	13.0	12.8*
LaSal Mountain	9L1	8800	3/28	0	0.0	8.6	11.2
LaSal Mountain(upper)	9L2	9600	3/28	27	8.8	18.0	18.7*

Note: Course Affected by Snow Plows.

(a) 1948-62, 15 year period. (b) Average of all past record. (x) Adjacent drainage. (A) Aerial observation: Water content estimated. * Estimated 1948-62, 15 year average.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948-62 AVERAGE	THIS YEAR	1948-62 AVERAGE	PERCENT OF AVERAGE

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GREAT BASIN DRAINAGE

UPPER BEAR RIVER (Above Harer, Idaho)

Burts-Miller Ranch	7900	3/24	----	- -	11.42	- -	----
Chalk Creek #1*	9100	3/28	4.42	- -	23.86	- -	----
Chalk Creek #2*	8000	3/28	3.69	3.05	18.72	16.80	111
Chalk Creek #3*	7500	3/28	3.01	2.50	14.48	13.80	105
Hayden Fork	9300	3/24	----	- -	21.43	- -	----
Monte Cristo #2	8960	3/29	4.10	5.20	24.97	28.50	88
Salt River Summit	7900	3/30	2.90	3.40	16.55	18.00	92
Stillwater Camp	8550	3/24	----	- -	13.90	13.00	107
Trial Lake *	9800	3/31	4.33	4.35	28.14	23.80	118

LOWER BEAR RIVER (Below Harer, Idaho)

Dry Bread Pond	8230	3/29	3.16	4.15	21.17	22.00	96
Garden City Summit	7600	3/31	3.94	3.70	18.82	19.20	98
Klondike Narrows	7400	3/31	4.49	4.25	24.54	23.45	105
Little Bear(upper)	6850	3/27	3.17	3.70	18.07	19.50	93
Monte Cristo #2	8960	3/29	4.10	5.20	24.97	28.50	88
Tony Grove R.S.(SCS)	6250	3/31	3.10	2.88	16.75	17.71	95
Willow Flat	6100	3/28	3.95	4.25	22.60	23.75	95

OGDEN RIVER

Ben Lomond(lower)	5850	3/28	3.04	4.85	22.40	26.00	86
Ben Lomond Trail	6000	3/28	3.20	5.15	23.47	27.30	86
Causey Dam	5500	3/29	2.27	2.65	13.13	13.80	95
Dry Bread Pond	8230	3/29	3.16	4.15	21.17	22.00	96
Horse Ridge	8260	3/30	3.72	- -	22.74	- -	----
Monte Cristo #2*	8960	3/29	4.10	5.20	24.97	28.50	88
Sagebrush Flat	6300	No Report		2.80	-----	14.60	---

WEBER RIVER

Chalk Creek #1	9100	3/28	4.42	- -	23.86	- -	----
Chalk Creek #2	8000	3/28	3.69	3.05	18.72	16.80	111
Chalk Creek #3	7500	3/28	3.01	2.50	14.48	13.80	105
Farmington Guard Sta.(1)	7500	3/31	3.10	6.05	26.01	29.85	87
Farmington Rice (1)	7000	3/31	2.84	5.57a	22.51	27.31a	82
Horse Ridge	8260	3/30	3.72	- -	22.74	- -	----
Lost Creek Reservoir	6125	3/30	1.93	- -	11.95	-- -	----
Mt. Dell Dam (2)*	5500	3/31	1.73	2.64a	11.98	12.31a	90
Parley's Canyon Smt.	7500	3/28	2.67	3.95	17.76	21.50	83
Redden Mine(upper)	9000	3/29	3.86	- -	23.80	- -	----
Silver Lake(Brighton)(2)*	8725	3/31	5.09	5.89a	27.92	29.31a	95
Smith & Morehouse	7600	3/29	3.93	3.55	18.79	18.50	102
Trial Lake	9800	3/31	4.33	4.35	28.14	23.80	118

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

PROVO RIVER & UTAH LAKE

Clear Creek Ridge #2	8000	3/28	2.10	2.90	17.91	16.50	109
Daniels-Strawberry Smt.	8000	3/30	2.69	4.00	20.28	18.80	108
Dutchman R.S.	7500	3/31	2.50	5.24	22.08	26.75	83
East Portal Ridge	7800	3/30	2.70	4.00	19.25	18.80	102
Hobble Creek Smt.	7300	4/1	2.51	3.15	17.84	17.80	100
Payson R.S.	8050	3/29	1.96	2.95	19.31	17.60	110
Soapstone R.S.	7800	3/31	2.96	3.25	17.58	16.50	107
Timpanogos Divide	8200	3/30	4.35	5.24a	36.15	26.75a	135
Trial Lake	9800	3/31	4.33	4.35	28.14	23.80	118

JORDAN RIVER & TOOELE VALLEY

Middle Canyon	7000	3/30	2.50	3.20	12.64	16.80	75
Mt. Dell Dam (2)	5500	3/31	1.73	2.64a	11.98	13.31a	90
Parley's Canyon Smt.	7500	3/28	2.67	3.95	17.76	21.50	83
Rocky Basin-Settlement Cyn.	8900	3/27	----	- -	20.22	- -	----
Silver Lake(Brighton)(2)	8725	3/31	5.09	5.89a	27.92	29.31a	95
Vernon Creek	7500	4/5	2.27	- -	14.67	- -	----

SEVIER RIVER ABOVE RICHFIELD

Big Flat*	10290	3/27	1.18	3.85	16.26	18.70	87
Box Creek	9800	3/30	1.83	2.95	14.33	13.50	106
Castle Valley	9700	3/24	1.44	3.20	12.44	16.80	74
Cedar Breaks	10390	3/29	2.99	4.20	20.27	22.00	92
Duck Creek R.S.	8560	3/30	3.73	3.75	24.92	19.50	128
Fish Lake	8700	3/29	0.85	1.43	10.41	7.43	140
Kimberly Mine	8900	3/31	2.45	4.05	20.67	18.55	111
Panguitch Lake	8200	3/24	0.61	1.45	6.21	7.55	82
Webster Flat*	9200	3/29	2.42	4.05	20.85	21.05	99
Widtsoe-Escalante #3	9500	3/27	0.83	2.45	9.07	12.80	71
Widtsoe R.S.	7600	3/27	0.22	0.97a	3.96	5.23a	76

SEVIER RIVER BELOW RICHFIELD (Including San Pitch River)

Beaver Dams	8000	3/28	1.22	3.16	10.29	15.20	68
Farnsworth Lake	9900	3/30	2.72	4.10	16.62	19.15	87
G.B.R.C. Headquarters(1)	8700	3/31	2.82	4.14a	18.31	19.04a	96
G.B.R.C. Meadows(1)	10000	3/31	2.92	4.81a	22.70	21.27a	107
G.B.R.C. Oaks (1)	7655	3/31	1.63	2.90a	12.77	13.28a	96
Gooseberry R.S.(1)	7800	3/30	2.01	2.90	13.01	13.25	98
Gooseberry Reservoir*	8700	3/29	1.52	3.45	17.67	18.80	94
Mammoth R.S #2*	8600	3/29	1.50	3.60	19.41	18.70	104
Mt. Baldy	9500	3/28	1.48	3.90	15.80	18.85	84
Oak Creek	7760	3/31	----	- -	17.71	- -	----
Pickle Keg Springs	9600	3/27	----	- -	12.62	- -	----
Pine Creek	8700	3/29	1.43	4.85	20.71	23.70	87
Salina Creek(lower)	7250	3/27	----	- -	6.91	- -	----
Shingle Mill	6200	3/30	2.20	3.55	15.46	15.35	101
White Gate(1)	9530	3/27	0.54	8.56	8.56	- -	----

(1) Data supplied by U.S. Forest Service. (2) Data supplied by U.S. Weather Bureau. a - all values estimated except those where symbol "a" occurs. *Adjacent drainage.

PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE
				a		a	
<u>BEAVER RIVER</u>							
Beaver Canyon P.H. (2)	7275	3/31	1.03	2.45a	9.37	10.34a	91
Big Flat	10290	3/27	1.18	3.85	16.26	18.70	87
Merchant's Valley	8650	3/27	0.74	- -	14.15	- -	---
<u>PAROWAN CREEK</u>							
Tall Poles	8800	3/20	2.46	- -	14.12	- -	----
Yankee Reservoir	8700	3/30	1.55	2.30	11.66	11.95	98
<u>COAL CREEK</u>							
Cedar Breaks	10390	3/29	2.99	4.20	20.27	22.00	92
Webster Flat*	9200	3/29	2.42	4.05	20.85	21.05	99
<u>ENTERPRISE TO NEW HARMONY DRAINAGE</u>							
Little Grassy .Creek	6100	3/31	1.43	2.30	21.26	11.90	179
Long Flat	8000	3/31	1.54	2.70	11.71	14.00	84
COLORADO RIVER DRAINAGE							
<u>UPPER GREEN RIVER IN UTAH</u> (Tributaries above Flaming Gorge)							
Black's Fork Jct.	8925	3/22	2.50	2.20	12.16	10.40	117
Burnt Creek	7900	3/27	2.09	- -	8.87	- -	---
E.Fk.Black's Fk. G.S.	9300	3/22	2.79	2.30	13.47	10.60	127
Hewinta G.S.	9500	3/23	2.75	2.60	13.32	11.30	118
Hickerson Park	9100	3/23	1.15	- -	7.58	- -	---
Spirit Lake	10300	3/23	2.04	2.85	12.71	13.35	95
Steel Creek Park	9900	3/23	2.77	- -	14.85	- -	---
<u>GREEN RIVER TRIBUTARIES BETWEEN FLAMING GORGE & DUCHESNE RIVER</u>							
Grizzly Ridge	8500	3/27	2.18	- -	13.72	- -	---
King's Cabin(upper)	8730	3/22	1.39	2.00	11.78	12.75	92
<u>DUCHESNE RIVER</u>							
Brown Duck Ridge	10800	4/3	----	- -	20.90	- -	---
Currant Creek	7800	3/30	----	- -	16.22	13.30	122
Daniels-Strawberry Smt.*	8000	3/30	2.69	4.00	20.28	18.80	108
East Portal Ridge*	7800	3/30	2.70	4.00	19.25	18.80	102
Indian Canyon	9100	3/25	0.95	2.50	13.91	15.20	92
Jackson Park	10650	3/21	----	- -	13.55	- -	----
Julius Park	9800	3/27	1.81	2.75	14.04	14.90	94
Lakefork Mountain	10500	3/28	1.29	2.45	12.97	14.10	92
Moon Lake	8150	4/1	1.30	1.18a	9.65	8.29a	116
Mosby Mountain	9500	3/27	1.94	- -	14.20	- -	---
Paradise Park	10100	3/27	1.79	2.85	15.97	16.00	100
Rock Creek	7900	3/29	----	- -	12.15	12.15	100
Soapstone R.S.*	7800	3/31	2.96	3.25	17.58	16.50	107

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PRECIPITATION DATA (Inches)

DRAINAGE BASIN AND RAIN GAGE LOCATION	ELEVATION	CURRENT INFORMATION			FROM APPROX. OCT. 1 TO DATE		
		DATE OF READING	MONTH'S PRECIPITATION	1948 - 62 AVERAGE	THIS YEAR	1948 - 62 AVERAGE	PERCENT OF AVERAGE

a

a

DUCHESNE RIVER - Continued

Trial Lake*	9800	3/31	4.33	4.35	28.14	23.80	118
White River #1*	8600	3/31	1.70	2.65	13.65	16.00	85

PRICE RIVER

Clear Creek Ridge #2*	8000	3/28	2.10	2.90	17.91	16.50	109
Gooseberry Reservoir	8700	3/29	1.52	3.45	17.67	18.80	94
Indian Canyon	9100	3/25	0.95	2.50	13.91	15.20	92
Mammoth R.S. #2	8600	3/29	1.50	3.60	19.41	18.70	104
Mud Creek	8300	3/30	1.65	2.60	16.05	15.50	104
White River #1	8600	3/31	1.70	2.65	13.65	16.00	85

SAN RAFAEL RIVER

Buck Flat	9400	3/28	1.40	3.60	15.60	17.15	91
G.B.R.C. Meadows*(1)	10000	3/31	2.92	4.81a	22.70	21.27a	107
Gooseberry Reservoir*	8700	3/29	1.52	3.45	17.67	18.80	94
Orange Olsen		3/29	0.55	- -	10.40	- -	---
Red Pine Ridge	9400	3/29	2.10	4.30	20.50	20.70	99
Stuart R.S.	7950	3/30	----	- -	13.30	12.90	103

MUDDY RIVER

Dills Camp	9200	3/27	----	----	11.60	----	---
Mt. Baldy R.S.*	9500	3/28	1.48	3.90	15.80	18.85	84

FREMONT & ESCALANTE RIVERS

Black's Flat-U.M. Creek	9250	3/29	1.31	2.45	10.64	12.00	89
Farnsworth Lake*	9900	3/30	2.72	4.10	16.62	19.15	87
Fish Lake	8700	3/29	0.85	1.43	10.41	7.43	140
Widtsoe-Escalante #3	9500	3/27	0.83	2.45	9.07	12.80	71

VIRGIN RIVER

Duck Creek R.S.	8560	3/30	3.73	3.75	24.92	19.50	128
Webster Flat	9200	3/29	2.42	4.05	20.85	21.05	99

SOUTHEASTERN UTAH DRAINAGES

Buckboard Flat	9000	3/29	0.60	3.95	13.80	21.20	65
Camp Jackson	8600	3/29	0.30	3.15	13.35	16.75	80
LaSal Mountain(upper)	9600	3/28	----	3.25	12.30	19.65	63

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Agencies Cooperating in Utah Snow Surveys

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U. S. Department of Agriculture
Soil Conservation Service
Forest Service
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Weather Bureau
U. S. Department of Interior
Bureau of Reclamation
Geological Survey
National Park Service

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Utah Agricultural Experiment Station
Utah Fish and Game Department
Utah State Engineer
Bear River Commissioner
Price River Commissioner
Provo River Commissioner
Sevier River Commissioners
Spanish Fork River Commissioner
Utah Lake and Jordan River Commissioner
Utah Water and Power Board

MUNICIPALITIES

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Salt Lake City

ORGANIZED PUBLIC AGENCIES

Beaver River Water Users Association
Board of Canal Presidents - Jordan River
Emery Canal and Reservoir Company
Moon Lake Water Users Association
Ogden River Water Users Association
Provo River Water Users Association
Strawberry Water Users Association
Sevier River Water Users Association

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with the Snow Survey"*